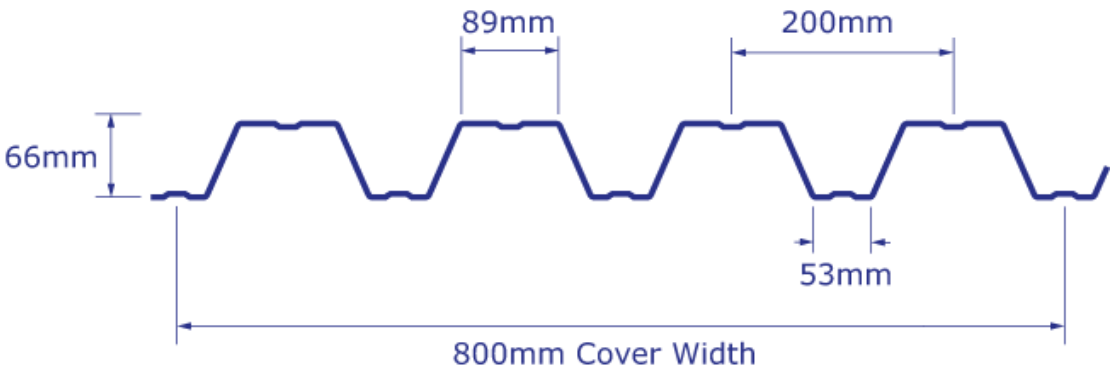




800 / 66 Prodeck Roof Decking Load Table (0.9mm)



The Span Tables below have been created in accordance with EN 1993-1-3 (Eurocode EC3) and calculated by the Steel Construction Institute (SCI). The values are based on a maximum permitted deflection of Span/200 under imposed load.

Load factor (working load to ultimate):	1.5 (in accordance with Eurocode).
Deflection for limit of span:	L/200

GRAVITY parameters	0.9mm
Bottom flange in compression	
Moment capacity (kNm/m)	6.428
Inertia (cm ⁴ /m)	85.177
Bottom flange in tension	
Moment capacity (kNm/m)	6.361
Inertia (cm ⁴ /m)	82.687
Shear resistance (kN/m)	78.678
Web crushing mid (kN/m)	19.284
Web crushing end (kN/m)	9.642
Inertia gross section (cm ⁴ /m)	85.177

Prodeck 800 / 66 - 0.9mmSpan / Load Table - GRAVITY - Working load UDL (kN / m²)

GRAVITY		Span in Metres												
Span Type	Design Case	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8
Single	Moment	17.31	13.25	10.47	8.48	7.01	5.89	5.02	4.33	3.77	3.31	2.93	2.62	2.35
	Inertia	24.54	16.44	11.55	8.42	6.32	4.87	3.83	3.07	2.49	2.06	1.71	1.44	1.23
	Reaction	9.18	8.04	7.14	6.43	5.84	5.36	4.94	4.59	4.29	4.02	3.78	3.57	3.38
	Limiting	9.18	8.04	7.14	6.43	5.84	4.87	3.83	3.07	2.49	2.06	1.71	1.44	1.23
Double	Moment	17.49	13.39	10.58	8.57	7.08	5.95	5.07	4.37	3.81	3.35	2.97	2.65	2.37
	Inertia	40.91	27.40	19.25	14.03	10.54	8.12	6.39	5.11	4.16	3.43	2.86	2.41	2.05
	Reaction	7.35	6.43	5.71	5.14	4.67	4.29	3.96	3.67	3.43	3.21	3.02	2.86	2.71
	Interaction	6.47	5.43	4.64	4.02	3.52	3.11	2.78	2.50	2.26	2.05	1.87	1.72	1.58
	Limiting	6.47	5.43	4.64	4.02	3.52	3.11	2.78	2.50	2.26	2.05	1.87	1.72	1.58
Multiple	Moment	21.86	16.74	13.23	10.71	8.85	7.44	6.34	5.47	4.76	4.18	3.71	3.31	2.97
	Inertia	40.91	27.40	19.25	14.03	10.54	8.12	6.39	5.11	4.16	3.43	2.86	2.41	2.05
	Reaction	8.35	7.30	6.49	5.84	5.31	4.87	4.50	4.17	3.90	3.65	3.44	3.25	3.08
	Interaction	7.55	6.36	5.44	4.73	4.15	3.68	3.29	2.96	2.68	2.44	2.23	2.05	1.89
	Limiting	7.55	6.36	5.44	4.73	4.15	3.68	3.29	2.96	2.68	2.44	2.23	2.05	1.89

Prodeck 800 / 66 - 0.9mmSpan / Load Table - UPLIFT - Working load UDL (kN / m²)

UPLIFT		Span in Metres												
Span Type	Design Case	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8
Single	Moment	17.49	13.39	10.58	8.57	7.08	5.95	5.07	4.37	3.81	3.35	2.97	2.65	2.37
	Inertia	25.03	16.77	11.78	8.59	6.45	4.97	3.91	3.13	2.54	2.10	1.75	1.47	1.25
	Reaction	9.18	8.04	7.14	6.43	5.84	5.36	4.94	4.59	4.29	4.02	3.78	3.57	3.38
	Limiting	9.18	8.04	7.14	6.43	5.84	4.97	3.91	3.13	2.54	2.10	1.75	1.47	1.25
Double	Moment	17.31	13.25	10.47	8.48	7.01	5.89	5.02	4.33	3.77	3.31	2.93	2.62	2.35
	Inertia	41.72	27.95	19.63	14.31	10.75	8.28	6.51	5.21	4.24	3.49	2.91	2.45	2.09
	Reaction	7.35	6.43	5.71	5.14	4.67	4.29	3.96	3.67	3.43	3.21	3.02	2.86	2.71
	Interaction	6.45	5.41	4.62	4.00	3.51	3.10	2.77	2.48	2.24	2.04	1.86	1.71	1.57
	Limiting	6.45	5.41	4.62	4.00	3.51	3.10	2.77	2.48	2.24	2.04	1.86	1.71	1.57
Multiple	Moment	21.64	16.57	13.09	10.60	8.76	7.36	6.27	5.41	4.71	4.14	3.67	3.27	2.94
	Inertia	41.72	27.95	19.63	14.31	10.75	8.28	6.51	5.21	4.24	3.49	2.91	2.45	2.09
	Reaction	8.35	7.30	6.49	5.84	5.31	4.87	4.50	4.17	3.90	3.65	3.44	3.25	3.08
	Interaction	7.53	6.34	5.42	4.71	4.13	3.66	3.27	2.94	2.67	2.43	2.22	2.04	1.88
	Limiting	7.53	6.34	5.42	4.71	4.13	3.66	3.27	2.94	2.67	2.43	2.22	2.04	1.88



'SCI Assessed Quality Mark'. This mark testifies that the [Steel Construction Institute \(SCI\)](#) has independently verified the technical data above.

- [1000/32 0.7mm Roof Decking Load Table](#)
- [1000/32 0.75mm Roof Decking Load Table](#)
- [1000/32 0.9mm Roof Decking Load Table](#)
- [1000/32 1.2mm Roof Decking Load Table](#)
- [800/66 0.7mm Roof Decking Load Table](#)
- [800/66 0.75mm Roof Decking Load Table](#)
- [800/66 1.2mm Roof Decking Load Table](#)

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